Email id : cekoandm@bwssb.gov.in

ಬೆಂಗಳೂರು ನೀರು ಸರಬರಾಜು ಮತ್ತು ಒಳಚರಂಡಿ ಮಂಡಳಿ

BANGALORE WATER SUPPLY AND SEWERAGE BOARD

Office of the Chief Engineer (K-O&M), 6th Floor, Cauvery Bhavan, K.G.Road, Blore-560 009.

BWSSB/CE(K-O&M)TE/ACE(K-O&M)-1/DCE(K)/TA-01/61/2024/2461 /2023-24. **Date:** 20/2/2025

Addendum No.1

(Through Karnataka public procurement Portal)

https://kppp.karnataka.gov.in

Name of the Work: Tender for the work of supply, Installation of 4 Track Insertion Type Ultrasonic Type Flow Meter to Stage 1, Stage 2, Stage 3, Stage 4 Phase 1 &2 Pumping Station Main line at TK Halli

Repliers to Pre-Bid Quarries received though email onDt:17/02/2025

IFT No: BWSSB/CEK(O&M)TE/TA-01/61/2384/2024-25, Dt:05.02.2025

Sr.	Reference Tender Clause No./ Page no	Description / Tender Criteria	Queries & Confirmation	Replies
1	Section-7, Technical Specification Part A, 4 Track Ultra Sonic Flow meter, Sl. No - 02	Accuracy: Improved accuracy to +0.5% flow reading or better	M/s. Siemens make FS Model flow meter, Accuracy will be vary from 0.5% to 1.5% based on the Site condition, straight line availability upstream and downstream of the pipe line. Kindly update in the specification	Tender Specification shall prevail.
2	Section-7, Technical Specification Part A, 4 Track Ultra Sonic Flow meter, Sl. No - 11	Data Logger: Internal/external with flow meter for the storage of the process parameters	M/s. Siemens make FS model, internal SD card will be available for the data log	Tender Specification shall prevail.

Sr.	Reference Tender Clause No./ Page no	Description / Tender Criteria	Queries & Confirmation	Replies
3	Section-7, Technical Specification, Part B, Flow sensors,Sl.No.3	Sensor Material: SS 316L/ Hastelloy-C / Titanium	M/s. Siemens make FS model the sensor materials is SS 316L will be provided	Tender Specification shall prevail.
4	Section-7, Technical Specification Part B, Flow sensors Sl.No.4	The sensors shall also have built in grounding and empty pipe detection facility	Empty pipe detection is possible in EMF flow meters only, in Ultrasonic Measurement technology empty pipe detection shall not be applicable. Kindly update in the specification	The specification shall be read as the follows: The sensors length should be based on the diameter of the pipeline and manufacturers standards.
5	Section-7, Technical Specification Part B, Flow sensors Sl.No.4	The sensors should be as per ISO standard lengths (ISO 13359) as applicable	the ISO 13359 is not applicable for the ultrasonic flow meters. the insertion length of the sensor will be 160mm or 230mm based on the diameter of the pipeline it will be changed	
6	Section-7, Technical Specification Part C, Flow Transmitter/ Computation, Sl. No - 03	Data processing and communication capabilities utilizing a 4-wire system for data processing 4-20mA+ HART / Modbus communication. For high accurate & fast measurement	as per the BOQ Modbus communication will be Provided.	Tender Specification shall prevail.
7	Section-7, Technical Specification Part C, Flow Transmitter /Computation, Sl. No - 09	Flow Meter Standards: Testing and calibration - IS / ISO 17025. Meter Standard - ISO 4064. Calibration certificate from FCRI as per IS and ISO 17025 / Manufacturer Calibration Certificate from LAB source country approved by the regional body / Test Certificate & Manufacturer declaration certificate shall be provided. The details of the	M/s. Siemens Manufacturer declaration certificate shall be provided, sensor holders will be welded on the pipeline so 3rd party LAB testing not applicable.	Tender Specification shall prevail.

Sr.	Reference Tender Clause No./ Page no	Description / Tender Criteria	Queries & Confirmation	Replies
		same shall be supplied in the technical offer for the evaluation		
8	Section-2 ITT, Clause 3.2(b)	3.2, b,i. at least one Similar Contract such as work of Supply, Installation of 4 Track Insertion Type Ultrasonic Type Flow Meter for 1500mm dia. pipes or above of value not less than Rs.76.65 lakhs	at least one Similar Contract such as work of Supply, Installation of Ultrasonic Type Flow Meter for 1200mm dia and above pipes or above of value not less than Rs.76.65 lakhs	Tender Conditions holds good
9	Section-2 ITT, Clause 3.2(c)	3.2, c. executed in any one year, the following minimum quantities of work: Supply, Installation of 4 Track Insertion Type Ultrasonic Type Flow Meter for 1500mm dia. pipes or above- 4 Nos	Supply, Installation of Ultrasonic Type Flow Meter for 1200mm dia pipes or above- 4 Nos	Tender Conditions holds good
10	General		in addition to the flowmeters if required. Transmitter outdoor panel, UPS, power cable, RTU, and Sim card will be provided by BWSSB	Shall be provided by Bidder.
11	General		all the civil works, removing cement coating from the pipeline, excavation, dewatering, power supply arrangements will be provided by the BWSSB	Provided by BWSSB.

Sr.	Reference Tender Clause No./ Page no	Description / Tender Criteria	Queries & Confirmation	Replies
12	Section-2 ITT, Clause 3.2(b)&(c)	satisfactorily completed as prime contractor, i)at least one Similar Contract such as work of Supply, Installation of 4 Track Insertion Type Ultrasonic Type Flow Meter for 1500mm dia. pipes or above of value not less than Rs.76.65 lakhs.	Please accept the clamp on/insertion type flowmeter for experience	Tender Conditions holds good
13	Section-2 ITT, Clause 3.2(c)	executed in any one year, the following minimum quantities of work: Supply, Installation of 4 Track Insertion Type Ultrasonic Type Flow Meter for 1500mm dia. pipes or above- 4 Nos	We also request to consider experience of flowmeter size and quantity in ratio. Eg 4 nos of 1500mm dia, 2 nos of 2500mm dia etc and so on.	Tender Conditions holds good
14	Section-2 ITT, Clause 3.2(c)	executed in any one year, the following minimum quantities of work: Supply, Installation of 4 Track Insertion Type Ultrasonic Type Flow Meter for 1500mm dia. pipes or above- 4 Nos	If not above, we request to allow supply, installation of Electromagnetic full bore flowmeter of 1500mm of 1 no.	Tender Conditions holds good

Chief Engineer (K-O&M)
BWSSB